

General Disclaimer

One or more of the Following Statements may affect this Document

- This document has been reproduced from the best copy furnished by the organizational source. It is being released in the interest of making available as much information as possible.
- This document may contain data, which exceeds the sheet parameters. It was furnished in this condition by the organizational source and is the best copy available.
- This document may contain tone-on-tone or color graphs, charts and/or pictures, which have been reproduced in black and white.
- This document is paginated as submitted by the original source.
- Portions of this document are not fully legible due to the historical nature of some of the material. However, it is the best reproduction available from the original submission.

April 14, 1976

Progress Report #3

NASA Contract # NAS5-20945, Investigation #2319B

ER75
E7.6-10288
CR-144654

A. Problems - None encountered.

B. Accomplishments - Recent meetings with the Stanford Research Institute (SRI) researchers have been used to better define what SRI can accomplish with their \$10,000. We decided that because of the limited amount of money available, most of SRI's work would be concentrated in the Suisun Bay portion of the San Francisco Bay Delta System. The Suisun Bay area appears to offer the widest range of water quality fluctuations - fluctuations which have a visible impact on the water surface. SRI is now in the process of preparing a movie of all available imagery of Suisun Bay for the past year. This should be completed by the end of May and will use approximately \$6 to 7 thousand of their money. After this task is completed, we will decide how to best use the remaining funds.

The remaining U-2 flights have been tentatively scheduled for May 3 and May 20. Arrangements are now being made to collect ground truth data.

During the past few months I have been reviewing data from various agencies to determine the availability of water quality data at the time of satellite overflights. One development in this data search has been the uncovering of several similar investigations (evaluation of some aspect of water quality by remote sensing) in the study areas. Data from these reports may be helpful in filling in some of the gaps resulting from the limited scope of the current study.

C. Significant Results - None to date.

D. Publications - None (E76-10288) [WATER QUALITY CONDITIONS IN THE SUISUN BAY PORTION OF THE SAN FRANCISCO BAY DELTA SYSTEM] Progress Report

E. Recommendations - None (California State Dept. of Water Resources) 2 p HC \$3.50 CSCL 08B

F. Funds Expended - As of April 1, 1976, SRI had only spent \$600 of their \$10,000. Although it is difficult to determine the exact amount spent by state agencies, it is on the order of \$4000 (approximately one man-month) out of a total commitment of \$12,000.

G. Data Use

Value of data
allowed

\$2400.00

Value of data
ordered

\$1380.00

Value of data
received

\$1380.00

As of April 1, 1976.

N76-21655

Unclas
00288

G3/43

Progress Report #3
Page 2
April 14, 1976

- H. Aircraft Data - As of yet I have ordered no aircraft data. This delay in ordering is because there are more images than I can afford to purchase and I would like to wait until after the May flight so I have all images available from which to make the most effective selections.

RL Brown

Randall L. Brown
Sr. Water Quality Biologist
Principal Investigator